

Improvement of the objective function in fuzzy clustering and its application

Đinh Thị Hiền

Abstract: This topic focuses on improving the objective function in the fuzzy clustering process to enhance performance and accuracy. The goal is to build a system based on machine learning methods capable of better optimizing ambiguous datasets. The research methodology includes both theoretical and experimental approaches, aiming to provide useful solutions for practical applications. The expected outcome of this topic is a powerful tool with the potential to improve fuzzy clustering performance in various fields, from signal processing to data management.

Keywords: Fuzzy clustering, Objective function, Machine learning system, Performance, Application